Jongmin Kim

Master Course Student

Department of Environmental Planning,
Integrated Climate Science Lab (220-213)
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RESEARCH INTEREST

Climate change, Food security, Data science and computer vision in climate research

EDUCATION

Aug. 2020 ~ **Seoul National University** Seoul, Korea
Department of Environmental Planning, Graduate School of Environmental Studies
Advisor: Prof. Sujong Jeong

Aug. 2020 ~ **Korea University** Seoul, Korea
Mar. 2014 Division of Environmental Science and Ecological Engineering
Bachelor of Science
Studies of Climate Change (Second Major)
Bachelor of Climate Change

RESEARCH EXPERIENCES

- **Research Intern** at Climate Change Laboratory, *Seoul National University* Dec. 2019 ~ Feb. 2020
  Analyzing atmospheric pollution concentration (CO_2, CO, NO_2) derived by Australia forest fire using Satellites (OCO-2, TROPOMI) (Graduation thesis of Korea university)
- **Research Assistant** at AI Center, Seoul National University Apr. 2021 ~ Present
  Prediction of greenhouse gas concentration according to traffic volume in road transport sector using machine learning
- **Research Assistant** at Integrated Climate Science Laboratory, Seoul National University Oct. 2020 ~ Present
  Identification of polar land ecosystem change, Seoul National University,
  Investigation for contribution of CO_2 variation in metropolitan city to climate change

AWARDS AND HONORS

2019 Semester High Honors, 2nd Semester, 2019
Korea University

PUBLICATIONS

1. Chang, D. Y., Jeong, S., Oh, E., Sim, S., Kim, Y., Park, C., Park, H., Kim, J., **Kim, J.**,... & Choi, J. S. (2021). Finding the Missing Link in Methane Emission Inventories Using Aircraft and Mobile Observations. *Asia-Pacific Journal of Atmospheric Sciences*, 1-5.

CONFERENCES

- **Kim J.** and S. Jeong, "Changes in the growth period of tundra vegetation in the northern hemisphere due to climate change, 2021 Fall Meeting of Korean Meteorological Society (2021) – poster.

SKILLS

- ✓ **Main language**: Korean (Native), English (Intermediate)
- ✓ **Experienced technique**: LINUX, Python, HTML, CSS, JS